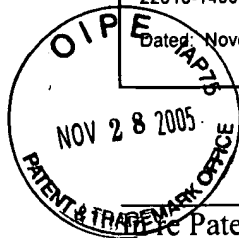


I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EL990375936US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: November 28, 2005 Signature: Valerie Cohen

(Valerie Cohen)

Docket No.: 223002100400
(PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of:
Claire M. FRASER

Application No.: 10/018,470

Confirmation No.: 2853

Int'l Filing Date: March 8, 2000

Art Unit: 1645

For: NEISSERIA GENOMIC SEQUENCES AND
METHODS OF THEIR USE

Examiner: P. Baskar

SUBMISSION OF COMPACT DISC OF SEQUENCE LISTING
UNDER 37 CFR 1.52(e)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This is in response to the non-final Office Action dated August 31, 2005, for which a response is due November 30, 2005. Submitted herewith in lieu of a paper copy of the Sequence Listing and in accordance with 37 CFR 1.52(e) are two (2) copies of CD-R compact discs, labeled Copy 1 and Copy 2, of the Sequence Listing. The two compact discs are identical.

Also submitted is one (1) CD-R containing the computer readable form (CRF) of the Sequence Listing in accordance with 37 CFR 1.824.

The compact discs are formatted from an IBM-PC Compatible computer and are compatible with MS-Windows. The compact discs contain the following file:
SEQLIST223002100400.txt, containing 2.85 MB. This file was created on November 22, 2005. The Sequence Listing contained on the enclosed CDs is understood to comply with the requirements of 37 CFR 1.52 and 37 CFR 1.821-1.825. In accordance with 37 CFR 1.821(f), I hereby state that

sf-2039373

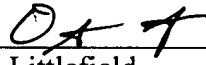
as required by 37 CFR 1.821(e) the content of the computer readable form is identical to the content of the CD-R compact discs.

Please replace the originally filed Sequence Listing with the enclosed substitute Sequence Listing.

The submission of the substitute Sequence Listing filed concurrently herewith does not include new matter.

Dated: November 28, 2005

Respectfully submitted,

By  _____
Otis Littlefield

Registration No.: 48,751
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